

## REMARKS

Claims 1-27 are pending. Claims 1 and 25 have been amended.

### Specification

In the Office Action, the Examiner objected to specification on the basis that the specification contains informalities. The specification was amended in Amendment and Response to Office Action filed on 04/14/2005, page 2. Accordingly, this objection is moot, and it is respectfully requested that the objection be reconsidered and withdrawn.

### Abstract

In the Office Action, the Examiner objected to abstract on the basis that the abstract exceeds 150 words in length. The abstract was amended in Amendment and Response to Office Action filed on 04/14/2005, page 2 and 3. Accordingly, this objection is moot, and it is respectfully requested that the objection be reconsidered and withdrawn.

### Claim Rejections under 35 U.S.C. § 112 second paragraph

In the Office Action, the Examiner rejects claim 25 under 35 U.S.C. 112, second paragraph, as allegedly being incomplete for omitting essential elements, and such omission amounting to a gap between the elements. *Paper No. 09885681-030907, page 3*. Although Applicants respectfully disagrees, these objections are moot in light of the above amendment. Applicants respectfully requests reconsideration and withdrawal of the objection to these claims, and allowance thereof.

### **Claim Rejections under 35 U.S.C. § 101**

In the Office Action, the Examiner rejects claims 1 through 14 under 35 U.S.C. 101, as allegedly being directed to non-statutory subject matter. *Paper No. 09885681-030907, page 5.* Although Applicants respectfully disagree, these objections are moot in light of the above amendment. Applicants respectfully requests reconsideration and withdrawal of the rejection of these claims, and allowance thereof.

In the Office Action, the Examiner rejects claims 15 through 23 under 35 U.S.C. 101, as being allegedly directed to non-statutory subject matter. *Paper No. 09885681-030907, page 5.* In a telephone interview between Examiner Kuen S. Lu and Applicant's representative Chad Zhong on July 10<sup>th</sup>, 2007. Mr. Kuen agreed to withdraw the rejection to claims 15 through 23 due to an internal policy change within the Patent Office. Applicants would like to thank the Examiner for granting the interview and respectfully requests reconsideration and withdrawal of the rejection of these claims, and allowance thereof.

In the Office Action, the Examiner rejects to claims 24 through 27 under 35 U.S.C. 101, as being allegedly directed to non-statutory subject matter. *Paper No. 09885681-030907, page 5.* However, the Examiner does not point out the specific reasoning for these rejections. The Applicants respectfully requests reconsideration and withdrawal of the rejection of these claims, and allowance thereof.

### **Claim Rejections under 35 U.S.C. § 103(a)**

Claims 1-27 have been rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over U.S. Patent 6,247,032 to Bernardo et al. (hereinafter referred to as *Bernardo*) and further in view of U.S. Patent 6,012,087 to Freivald et al. (hereinafter referred to as *Freivald*) and U.S.

Patent 6,484,149 to *Jammes et al.* (hereinafter referred to as *Jammes*). Applicants respectfully traverse these rejections as discussed below.

*Bernado, Freivald, and Jammes*, considered separately or in combination, fail to describe or suggest, *inter alia*, "each content item in the data source being associated with time stamp information to indicate the last time the content item was modified;" as recited in claim 1.

The Examiner admits that *Bernado* does not discuss or suggest "each content item in the data source being associated with time stamp information to indicate the last time the content item was modified". *Paper No. 09885681-030907, page 7*. The Examiner also admits that *Freivald* describes a dynamic web page with HTML header specifies the length of the page and the time/date when the web page was lastly modified. *Paper No. 09885681-030907, page 7*.

Claim 1 discusses content item of the content page being stored in the data source within in the data source. By contrast, *Freivald* discusses only the entire URL or webpages being stored in the data source. *Col. 7, lines 25 through 35*. Significantly, last-modified header discussed in *Freivald* merely contains the date and time when the webpage was last modified. Each record within database 16 contains webpage or URL, and last-modified field 38 contains a copy of the last-modified header from the web server for the particular page. *Col. 7, lines 25 through 42*. Furthermore, *Freivald* fails to describe or suggest each content item in the data source being associated with time stamp information to indicate the content item was modified. At best, *Freivald* discusses a last modified field that's associated with last modification of the entire webpage. *Col. 3, lines 15 through 25 and Col. 7, lines 39 through 43*. Rather than each content item in the data source being associated with time stamp information to indicate the last time the content item was modified as claimed. Therefore, the specific feature of "each content item in

the data source being associated with time stamp information" is missing from both Bernado and Freivald.

To support his rejection, the Examiner has reconstructed the language of *Freivald* to read into the document that one of ordinary skill in the relevant art would be motivated to timestamp each content item, instead of timestamping the entire web page. The Examiner has provided no documentary evidence to support his reconstruction of *Freivald*. Therefore, the Examiner has improperly relied on impermissible hindsight to reconstruct the express language of *Bernado* and *Freivald* to suggest the Applicant's invention.

*Jammes* does not cure the deficiencies of *Bernado* and *Freivald*, because *Jammes* also does not describe or suggest " each content item in the data source being associated with time stamp information." In the Office Action, the Examiner only relies on *Jammes* to discuss "a dependency record for storing information regarding a relationship between content items that comprise the content page and the content items stored in the data source. *Paper No. 09885681-030907, page 8.*

*Bernardo, Frievald, and Jammes*; alone or in combination, further fails to describe or suggest "a dependency record for storing information regarding a relationship between content items that comprise the content page and the content items stored in the data source and time parameter information associated with the content items that comprise the content page;" as recited in claim 1.

Specifically, *Jammes*' relationship table 202 stores data records that contains relationships to group(s) having similar values, which may lead to other associated pages. The table is queried in response to a request from a consumer for a construction of a Webpage. *Col. 47, lines 5 through 30.* Significantly, *Jammes* is silent on time parameter information associated

with the content items that comprise the content page. In accordance with claim 1, a dependency record stores information regarding a relationship among three elements. In particular, content items that comprise the content page, content items stored in the data source, and time parameter information associated with the content items that comprise the content page. To the extent that *Jammes* fails to disclose the relationships among these three elements, *Jammes* does not describe or suggest all elements of claim 1.

Examiner further alleges *Freivald* teaches “time parameter information associated with the content items that comprise the content page;” *Paper No. 09885681-030907, page 8*. In *Freivald*, last-modified field contains a copy of the last modified header, which contains a date and time of the last modification of the webpage. Significantly, this field only updates when there is a modification to the webpage. *Col. 3, lines 15 through 25 and Col. 7, lines 39 through 42*. In sharp contrast, *Jammes*’ relationship table 202 is merely queried for a look up for associated groups, no modification to any webpage is apparent in *Jammes*. Accordingly, *Freivald* and *Jammes* may not be combined due to a lack of a reasonable expectation of success.

Even if the applied documents are considered in combination, the totality of the teachings of the combined documents fails to describe or suggest one or more limitations of claim 1 for the reasons explained above. Hence, claim 1 is not rendered obvious under 35 U.S.C. 103 based on these documents, considered individually or in combination.

*Jammes* does not overcome *Bernardo* and *Frivald*’s deficiencies, consequently, *Bernardo*, *Frivald*, and *Jammes*, either alone or in combination, do not describe or suggest claim 1 for at least the above reasons.

Therefore, for at least these reasons, Applicants respectfully submit that claim 1 is patentable over *Bernardo*, *Freivald*, and *Jammes*. Claims 2-14 and 26-27 depend directly or

indirectly from, and include all the subject matter of, claim 1, which is allowable for at least the reasons discussed above. Therefore, it is submitted that claims 2-14 and 26-27 are also allowable, since they depend from allowable claim 1.

### Claims 15-23

Claim 15 of the application recites a method for determining when a content page contains out of date content items as a result of changes made to a template or content items stored in a data source. The method includes generating a template to define the content items to be included in the content page and the arrangement of the content items on the content page. The method further includes executing the template with a template engine to generate the content page as defined by the template and generating one or more dependency records to capture a relationship between the content items that are included in the content page, the template used to generate the content page, and the content items stored in the data source. Data contained in the dependency records is then compared with data contained in the data source to determine if the content page is out of date.

As indicated by the Examiner, neither *Bernardo* nor *Freivald* describes or suggests “generating one or more dependency records to capture a relationship between the content items that comprise the content page, the template used to generate the content page, and the content items stored in the data source.” The Examiner contends that this deficiency is found in *Jammes*. However, Applicants respectfully submit that *Jammes* also fails to describe or suggest “generating one or more dependency records to capture a relationship between the content items that comprise the content page, the template used to generate the content page, and the content items stored in the data source.” In *Jammes*, the relationship table 202 stores data records that

contains relationships to group(s) having similar values, which may lead to other associated pages. The table is queried in response to a request from a consumer for a construction of a Webpage. *Col. 47, lines 5 through 30. Jammes* does not describe or suggest “generating one or more dependency records” much less “dependency records” that “capture a relationship between the content items that comprise the content page, the template used to generate the content page, and the content items stored in the data source.” As previously described, *Jammes* provides a user requested webpage that utilizes attributes of a relationship table to retrieve related data records. *Jammes* does not describe or suggest capturing any comparison or relationship between these attributes and other content items stored in the database prior to entering the user’s edits or changes within the database. Moreover, in *Jammes*, the system merely displays all the data records that are associated with the user request. *Jammes* is silent regarding determining whether the content page is out of date. Accordingly, *Jammes* does not “determine if the content page is out of date” based on “comparing data contained in the dependency records.” Therefore, for at least these reasons, Applicants respectfully submit that claim 15 is patentable over *Bernardo, Freivald, and Jammes*.

Claims 16-23 depend directly or indirectly from, and include all the subject matter of, claim 15, which is allowable for at least the reasons discussed above. Therefore, it is submitted that claims 16-23 are also allowable, since they depend from allowable claim 15.

#### **Claim 24**

Claim 24 of the application recites a method for generating one or more dependency records that can be used to determine when content items that comprise a content page have been modified. The method includes generating a template to define the content items to be included in the content page and the arrangement of the content items on the content page, where the

content page includes content items stored in a data source. The method further includes executing the template with a template engine to generate the content page as defined by the template. One or more dependency records are generated to capture a relationship between the content items that are included in the content page, the template used to generate the content page, and the content items stored in the data source.

As indicated by the Examiner, neither *Bernardo* nor *Freivald* describes or suggests “generating one or more dependency records to capture a relationship between the content items that comprise the content page, the template used to generate the content page, and the content items stored in the data source.” Applicants respectfully submit that *Jammes* also fails to describe or suggest “generating one or more dependency records to capture a relationship between the content items that comprise the content page, the template used to generate the content page, and the content items stored in the data source.”

In *Jammes*, the relationship table 202 stores data records that contains relationships to group(s) having similar values, which may lead to other associated pages. The table is queried in response to a request from a consumer for a construction of a Webpage. *Col. 47, lines 5 through 30*. *Jammes* does not describe or suggest “generating one or more dependency records” much less “dependency records” that “capture a relationship between the content items that comprise the content page, the template used to generate the content page, and the content items stored in the data source.” *Jammes* does not describe or suggest capturing any comparison or relationship between these attributes and other content items stored in the database prior to entering the user’s edits or changes within the database. Therefore, for at least these reasons, Applicants respectfully submit that claim 24 is patentable over *Bernardo*, *Freivald*, and *Jammes*.



Claim 25 has been rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over *Freivald* in view of *Jammes*. Applicants respectfully traverse this rejection as discussed below.

Claim 25 of the application recites a method for determining when a content page contains content items that are out of date, whereby the content page is generated by instructions contained in a template that identifies content items stored in a data source for inclusion in the content page. The method comprises storing one or more dependency records to capture a relationship between content items that comprise the content page, the template used to generate the content page, and the content items stored in the data source. The method further includes comparing the data contained in the dependency records with data contained in the data source to determine if the content page is out of date. The content page is then regenerated, whereby the comparison step determines that the content page contains modified content items.

Neither *Freivald* nor *Jammes* describes or suggests “storing one or more dependency records to capture a relationship between content items that comprise the content page, the template used to generate the content page, and the content items stored in the data source.” As discussed above, in *Jammes*, the relationship table 202 stores data records that contains relationship to group(s) having similar values, which may lead to other associated pages. The table is queried in response to a request from a consumer for a construction of a Webpage. *Col. 47, lines 5 through 30*. *Jammes* does not describe or suggest “regenerating the content page where the comparison step determines that the content page contains modified content items” much less “dependency records” that “capture a relationship between the content items that comprise the content page, the template used to generate the content page, and the content items stored in the data source.” As previously described, *Jammes* provides a user requested webpage

that utilizes attributes of a relationship table to retrieve related data records. *Jammes* does not describe or suggest capturing any comparison or relationship between these attributes and other content items stored in the database prior to entering the user's edits or changes within the database. Moreover, in *Jammes*, the system displays all the data records that are associated with the user request. *Jammes* is silent regarding determining whether the content page is out of date. Accordingly, *Jammes* does not "determine if the content page is out of date" based on "comparing data contained in the dependency records." Therefore, for at least these reasons, Applicants respectfully submit that claim 25 is patentable over *Bernardo*, *Freivald*, and *Jammes*.

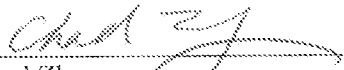
**Closing**

For at least the reasons stated above, Applicants respectfully submit that all pending claims 1-27 are allowable over the documents applied by the Examiner, and allowance of all claims is respectfully solicited. To expedite prosecution of this application to allowance, the Examiner is invited to call the Applicant's undersigned representative to discuss any issues relating to this application.

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Respectfully submitted,

  
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